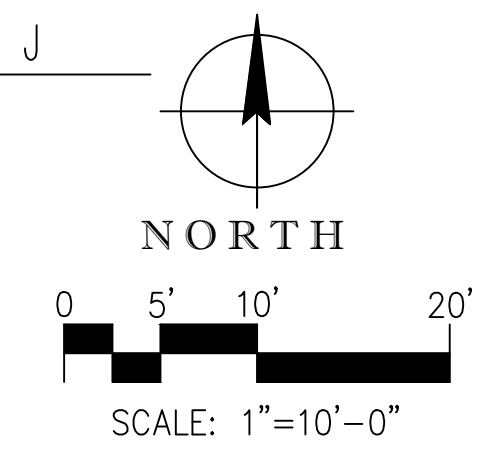
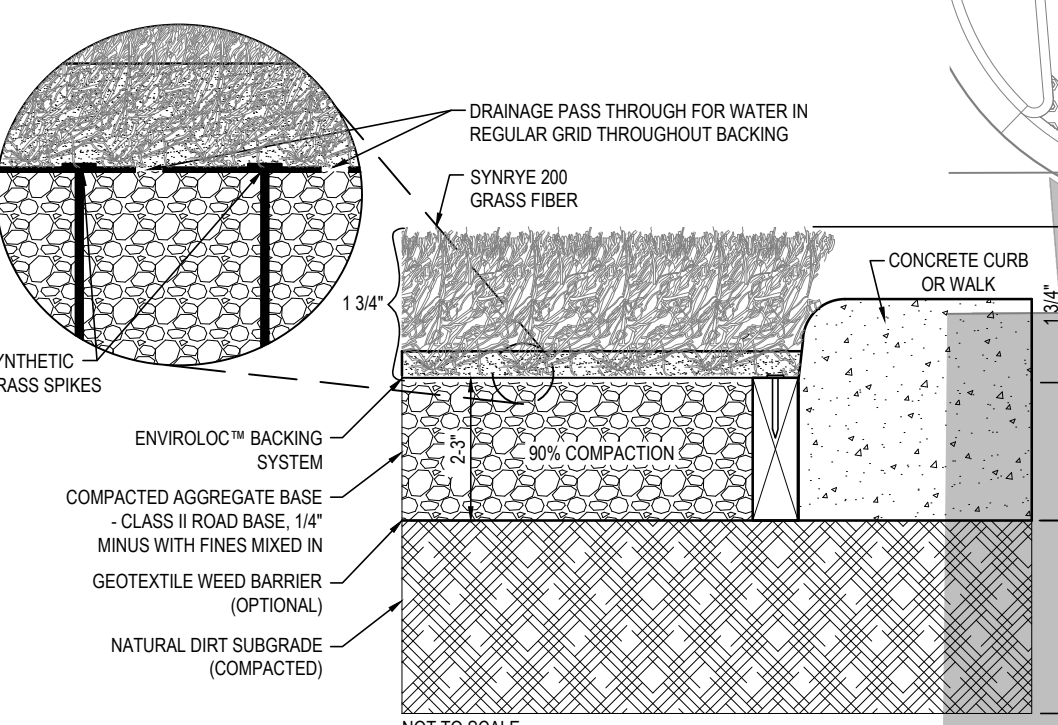


PLANT LIST						
KEY	TOTAL	BOTANICAL NAME	COMMON NAME	SIZE, HEIGHT, WIDTH	WATER USE	NATIVE
QV	1	QUERCUS VIRGINIANA 'HIGHRISE'	LIVE OAK	4" DBH/14'-16" HT./5' SPD.	LOW	YES
MG	4	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA 'MISS CHLOE'	3-1/2" CAL./12'-14" HT./5' SPD.	MEDIUM	YES
MV	3	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA	3" CAL./12'-14" HT./5' SPD.	MEDIUM	YES
LA	3	LIVISTONA DECORA	LIVISTONA 'RIBBON PALM'	10'-12'-14" CT./CLEAN TRUNK	MEDIUM	NO
LI	3	LAGERSTROEMIA INDICA 'MUSKOGEE'	CRAPE MYRTLE M.T.	12HT./MT./4' SPD.	MEDIUM	YES
WB	2	WODYETIA BIFURCATA	FOXTAIL PALM	12' CT.	MEDIUM	NO
JS	1	JUNIPERUS SILICICOLA	SOUTHERN RED CEDAR	3" CAL.	LOW	NO
OE	1	OLEA EUROPEA	OLIVE 'SPECIMEN'	10'-12' HT./6" CAL./SEND PHOTO TO LA	LOW	NO
UPA	5	ULMUS PARVIFOLIA 'ALLEE'	CHINESE ELM 'ALLEE'	3" CAL./12'-14" HT./6' SPD.	LOW	NO
TC	3	TABEBUIA CHRYSOTRICHIA	YELLOW TRUMPET TREE	3" CAL./10'-12' HT./5' SPD.	MEDIUM	NO
ED	6	ELAEOCARPUS DECIPENS 'STANDARD'	JAPANESE BLUEBERRY	5" CAL./16'-18' HT./5' SPD./6' C.T.	LOW	NO
SP	3	SABAL PALMETTO	CABBAGE PALMETTO	16'-24" CT./CLEAN TRUNK	LOW	YES
CJ	4	CAMELLIA JAPONICA	JAPANESE CAMELLIA 'ROSEA PLENA'	7 GAL./42" HT.	LOW	NO
HS	2	HIBISCUS SP.	HIBISCUS	7 GAL./42" HT.	MEDIUM	NO
ZI	2	ZAMIA FURFURACEA	CARDBOARD	7 GAL./36" HT.	LOW	NO
SR	9	STRLITZA REG.	BIRD OF PARADISE	7 GAL./30" HT.	LOW	NO
MF	26	MYRCIANTHES FRAGRANS	SIMPSON STOPPER	7 GAL./30" HT.	LOW	YES
JPU	50	JASMINUM PUBESCENS	STAR JASMINE	3 GAL./24" HT.	MEDIUM	NO

PLANT LIST						
KEY	TOTAL	BOTANICAL NAME	COMMON NAME	SIZE, HEIGHT, WIDTH	WATER USE	NATIVE
IVN	14	ILEX VOMITORIA	YAUPON HOLLY	3 GAL./30" HT.	LOW	YES
CJY	20	CLEYERA JAPONICA	CLEYERA	7 GAL./36" HT.	MEDIUM	NO
VOAB	40	VIBURNUM AWABUKI	MIRROR LEAF VIBURNUM	7 GAL./36" HT.	LOW	NO
VOVC	125	VIBURNUM OBOVATUM	WHORLED CLASS VIBURNUM	15"-18" HT./30" OC.	LOW	NO
PM	126	PODOCARPUS MACROPHYLLUS	MAKI PODOCARPUS	30" HT./30" OC.	MEDIUM	NO
LEG	1210	LIRIOPE MUSCARI	EVERGREEN GIANT LIRIOPE	1 GAL./18" HT.	MEDIUM	NO
TAM	306	TRACHELOSPERMUM ASIATICUM	MINIMA ASIATIC JASMINE	1 GAL./7 RUNNERS	LOW	NO
TAMT	45	TRACHELOSPERMUM ASIATICUM 'TRICOLOR'	TRICOLOR ASIATIC JASMINE	1 GAL./7 RUNNERS	LOW	NO
SOD		ST. AUGUSTINE SOD 'FLORATAM'	SOD ALL DISTURBED AREAS	AS REQUIRED		

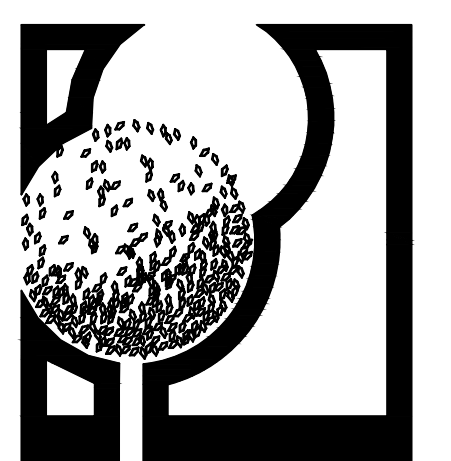
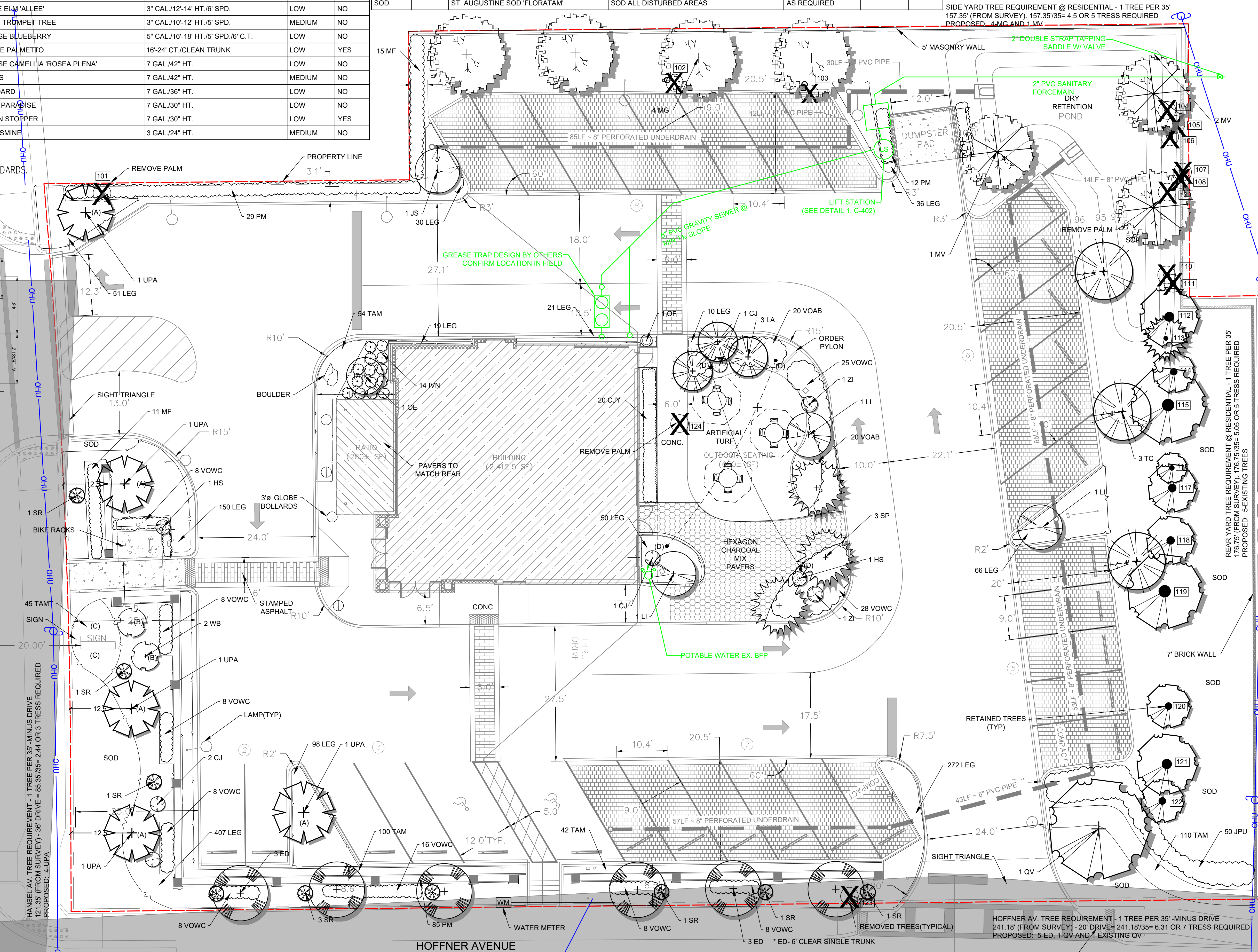


NOTE: SEE LOW VOLTAGE SLEEVES ON THE IRRIGATION PLAN.
 NOTE: SOD ALL BARE AREAS CAUSED DURING CONSTRUCTION
 NOTE: PLANT SPEC. SHALL CONFORM TO FL.#1 GRADES AND STANDARDS.



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 1-800-432-4770

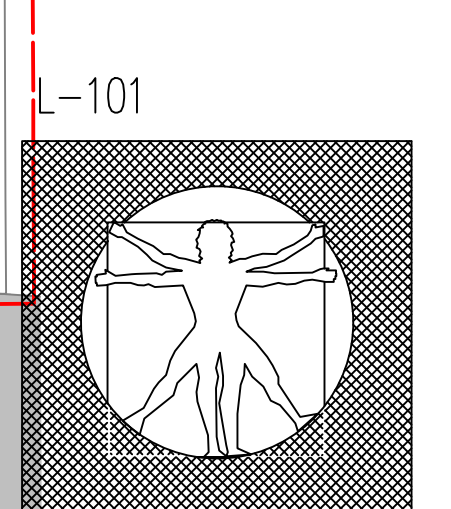
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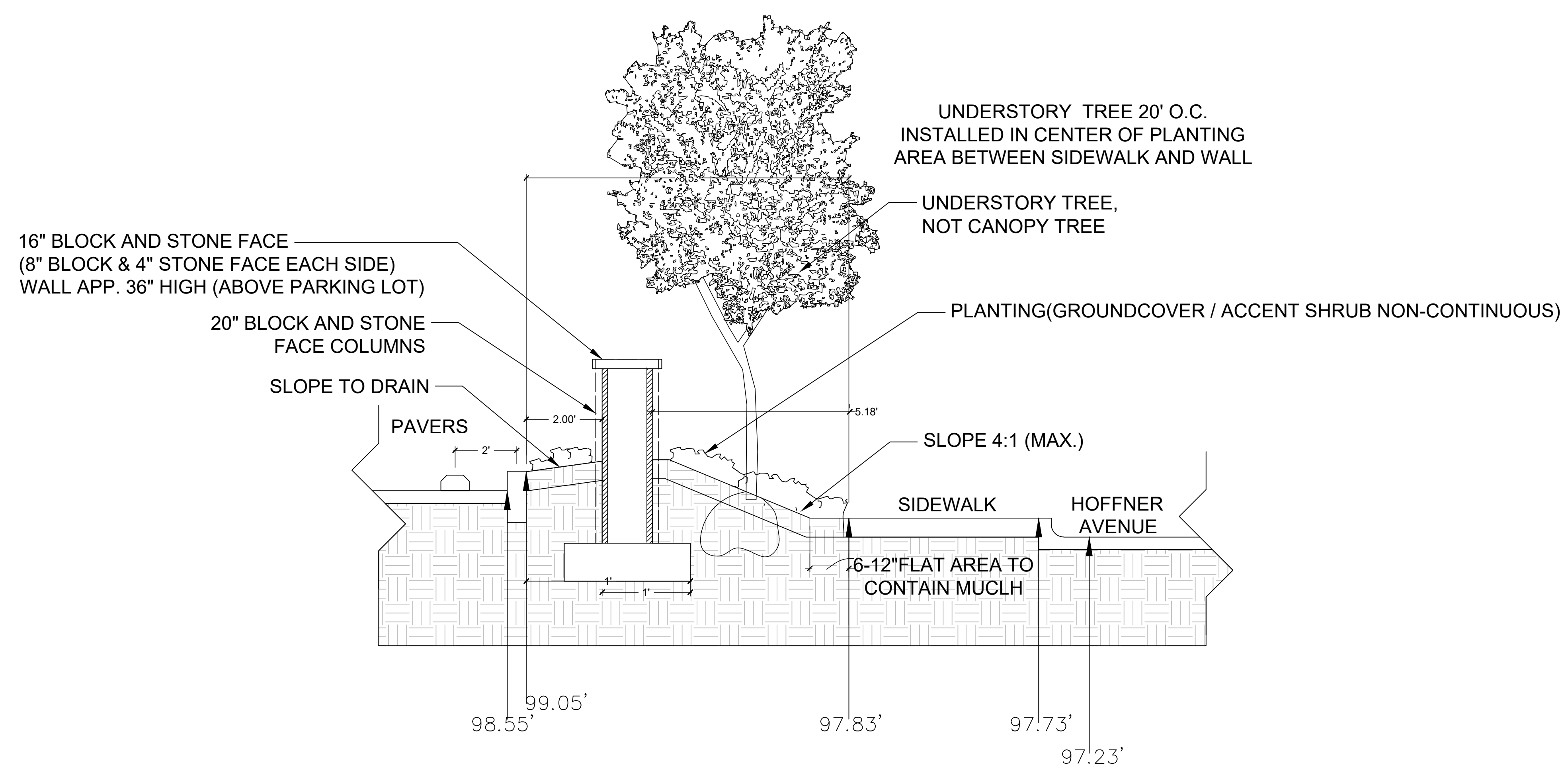
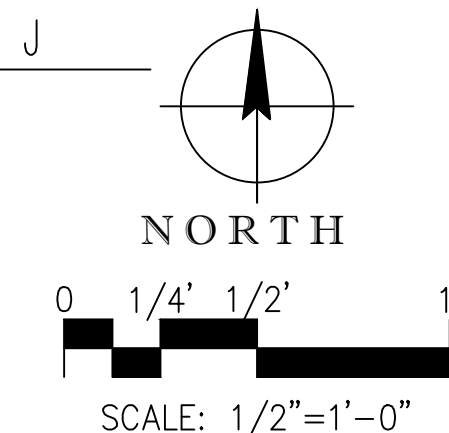
DALE & COMPANY
 Landscape Architecture Analysis Planning
 651 North Mills Avenue
 Orlando, Florida 32803
 Ph: (407) 894-1317
 Fax: (407) 894-8986

Mecatos Cafe
 LANDSCAPE SITE PLAN FOR
 DESIGNED BY: RCD
 DRAWN BY: KHD
 CHECKED BY: RCD
 DATE: 08-13-21

REVISIONS
 1. 11-05-21
 2. 12-17-21
 3. 01-27-22
 4. 02-23-22
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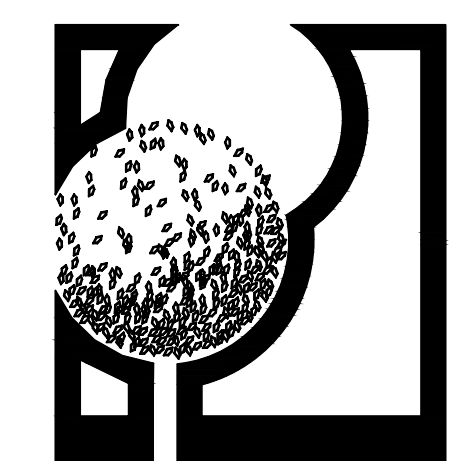
A B C D E F G H I J



TREE DISPOSITION TABLE

Tree No.	Description	DBH	Remove	Remain	Notes	Condition	Replacement Minimum Requirements	Proposed Replacement
101	Sabal Palm	18	Yes				None	16-24' CT Sabal Palm
102	Sycamore	15	Yes				15 gal. 1-1/2" Cal. @ 3' HT, 8' HT	3" Cal. Sweetbay Magnolia, 12-14' Ht. 5' Spr.
103	Sycamore	26	Yes		Specimen		6" Cal. @ 3' HT, 18' HT	3.5" Cal. Miss Chloe Magnolia, 12-14' Ht. 5' Spr.
104	Oak	5	Yes				15 gal. 1-1/2" Cal. @ 3' HT, 8' HT	3" Cal. Sweetbay Magnolia, 12-14' Ht. 5' Spr.
105	Oak	16	Yes				15 gal. 1-1/2" Cal. @ 3' HT, 8' HT	3" Allee Elm 12-14' Ht.-6' Spr.
106	Oak	5	Yes				15 gal. 1-1/2" Cal. @ 3' HT, 8' HT	3.5" Cal. Miss Chloe Magnolia, 12-14' Ht. 5' Spr.
107	Oak	5	Yes				15 gal. 1-1/2" Cal. @ 3' HT, 8' HT	3.5" Cal. Miss Chloe Magnolia, 12-14' Ht. 5' Spr.
108	Oak	5	Yes				15 gal. 1-1/2" Cal. @ 3' HT, 8' HT	3.5" Cal. Miss Chloe Magnolia, 12-14' Ht. 5' Spr.
109	Palm	10	Yes				15 gal. 1-1/2" Cal. @ 3' HT, 8' HT	3" Cal. Yellow Trumpet Tree, 10-12' Ht. 5' Spr.
110	Oak	8	Yes				15 gal. 1-1/2" Cal. @ 3' HT, 8' HT	3" Cal. Yellow Trumpet Tree, 10-12' Ht. 5' Spr.
111	Oak	7	Yes				15 gal. 1-1/2" Cal. @ 3' HT, 8' HT	3" Cal. Yellow Trumpet Tree, 10-12' Ht. 5' Spr.
112	Oak	22		Yes	Specimen			
113	Palm	6		Yes				
114	Oak	13		Yes				
115	Oak	27		Yes	Historic			
116	Oak	5		Yes				
117	Oak	18		Yes	Specimen			
118	Oak	18		Yes	Specimen			
119	Oak	27		Yes	Historic			
120	Oak	5		Yes				
121	Hickory	22		Yes	Specimen			
122	Oak	16		Yes				
123	Oak	19	Yes		Specimen		6" Cal. @ 3' HT, 18' HT	6" Cal. Specimen Olive 10-12' Ht.
124	Palm	14	Yes				None	16-24' CT Sabal Palm

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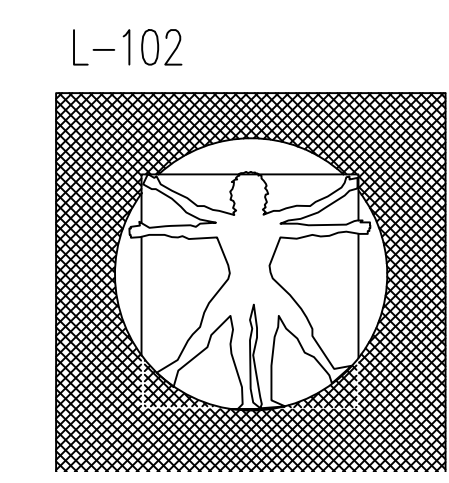


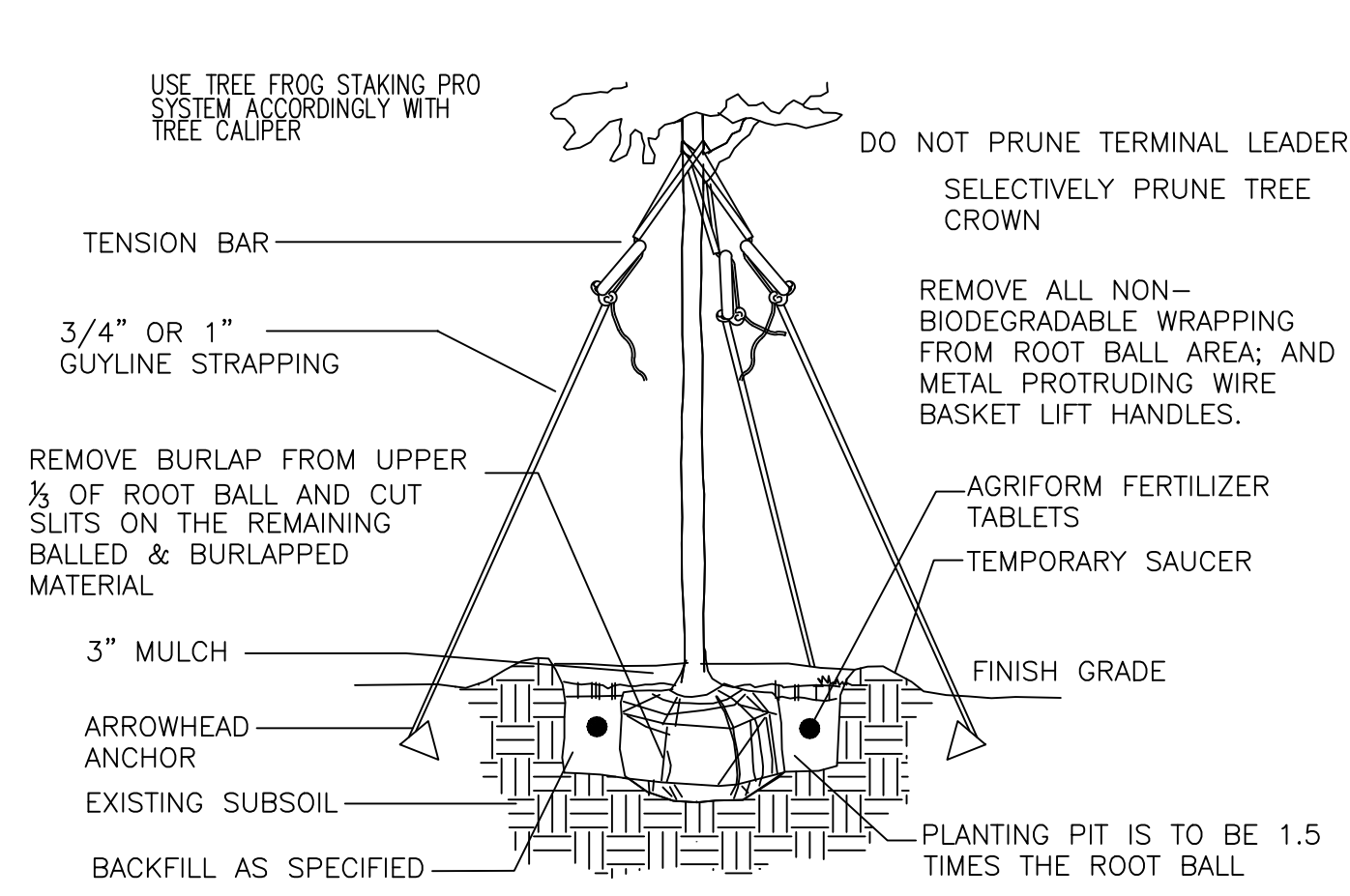
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LANDSCAPE SITE PLAN FOR
Mecatots Cafe
FLORIDA
EDGEWOOD

DESIGNED BY: RCD
DRAWN BY: KHD
CHECKED BY: RCD
DATE: 01-25-22

- REVISIONS
- 1.
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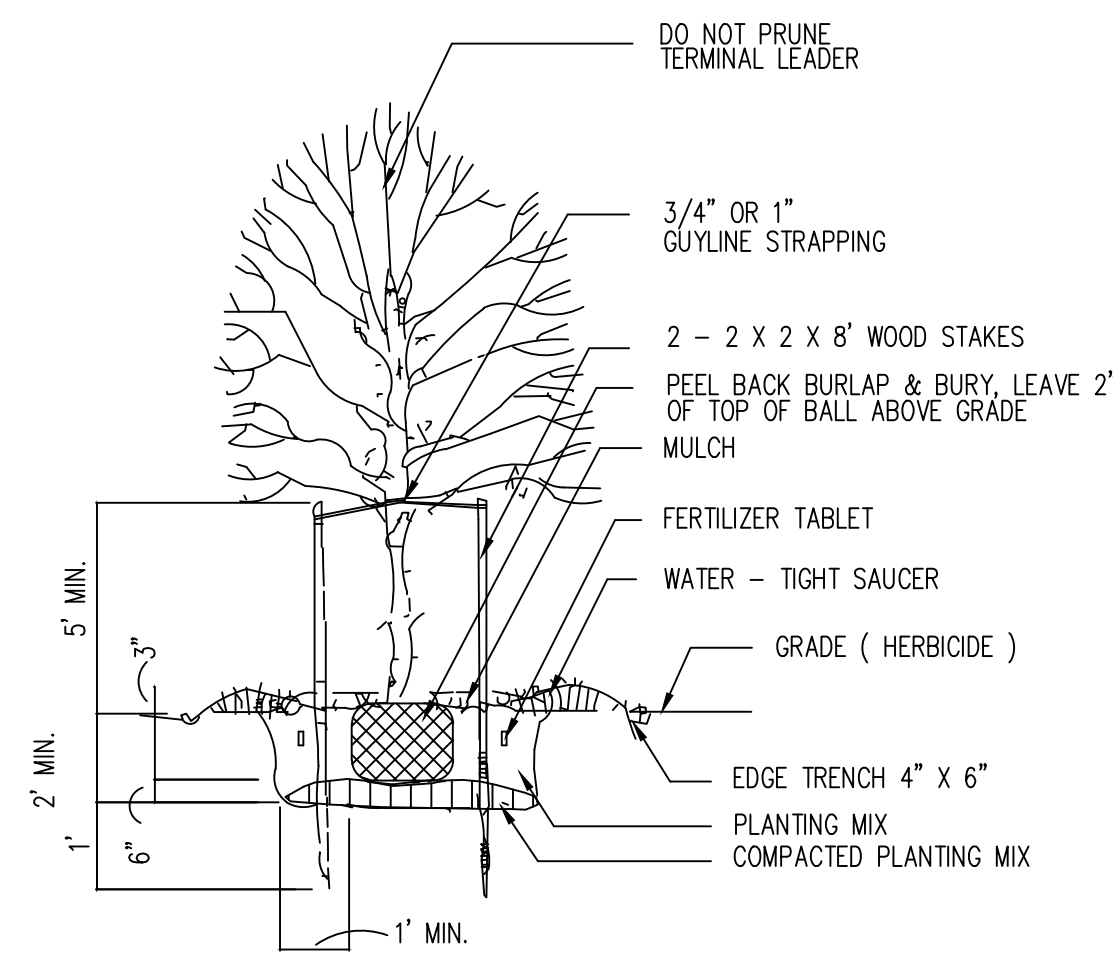




TREE STAKING DETAIL

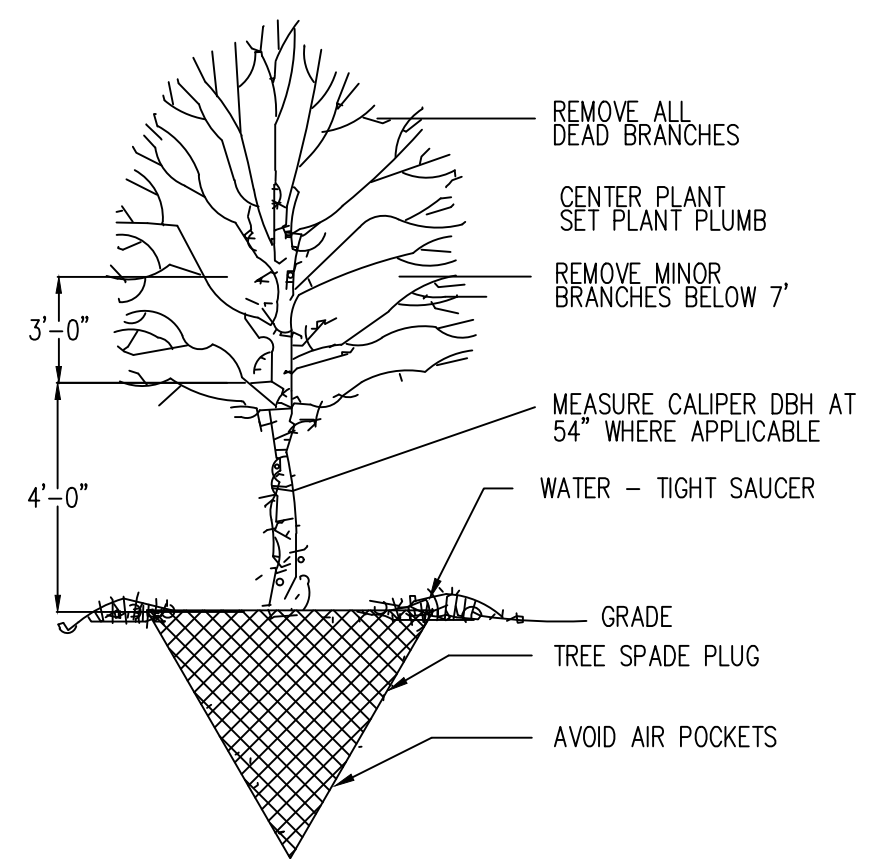
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NO SCALE



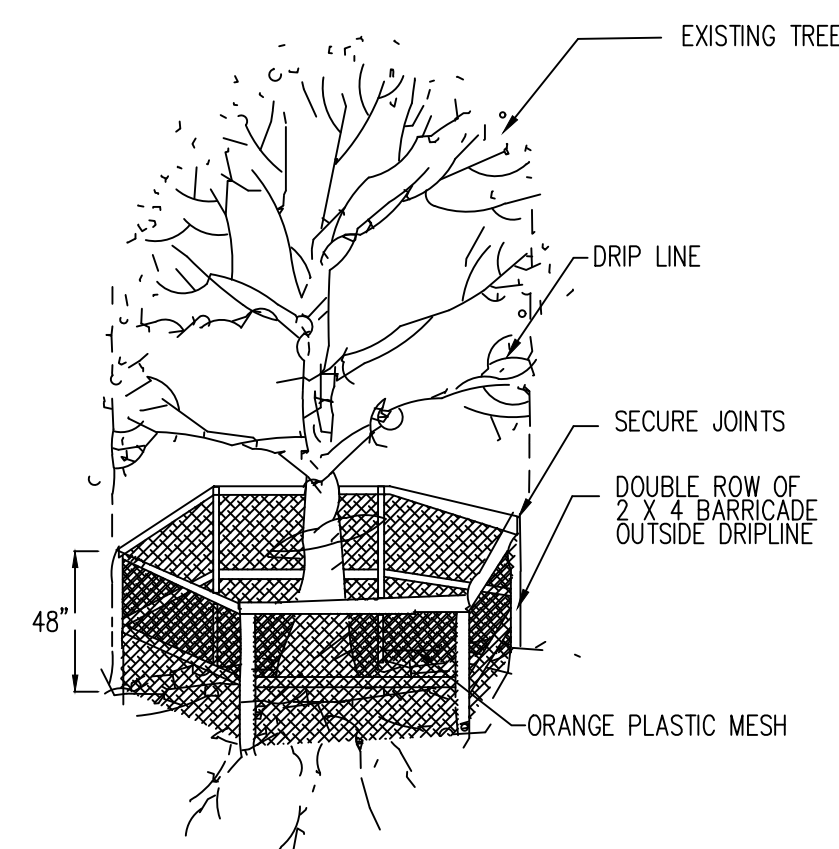
TREE DETAIL

NO SCALE



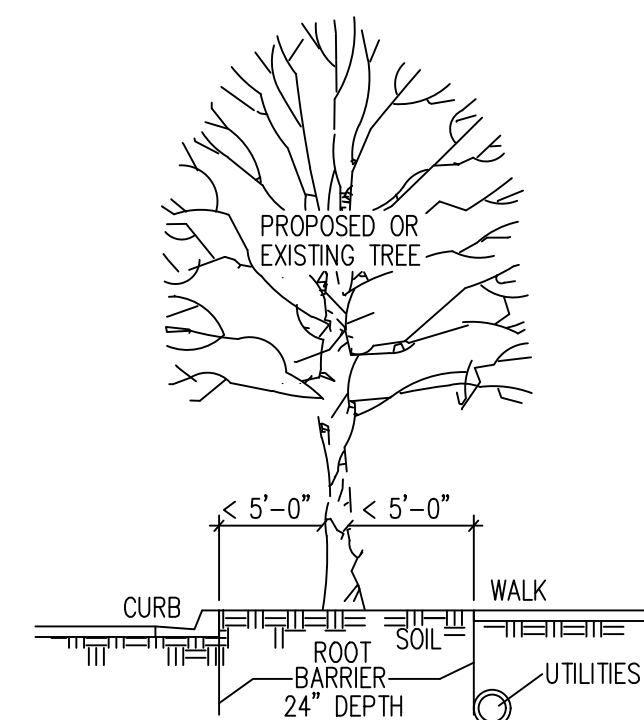
TREE TRANSPLANT DETAIL

NO SCALE



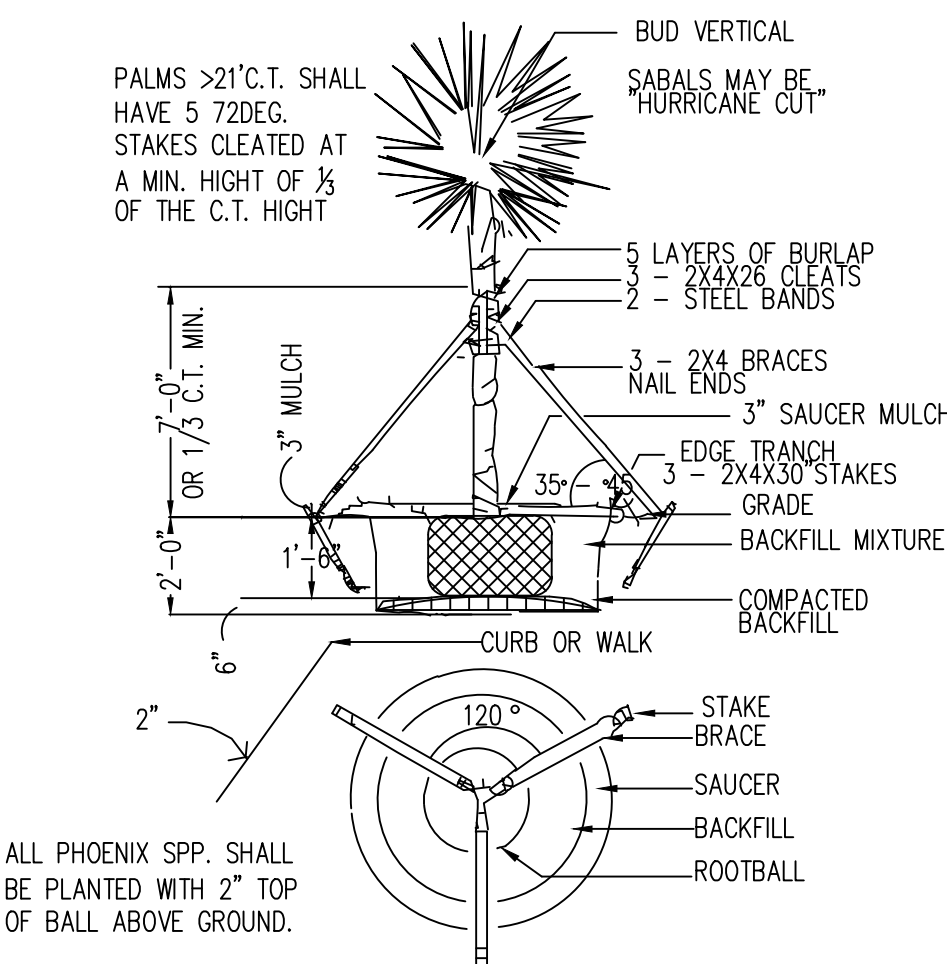
TREE PROTECTION

NO SCALE



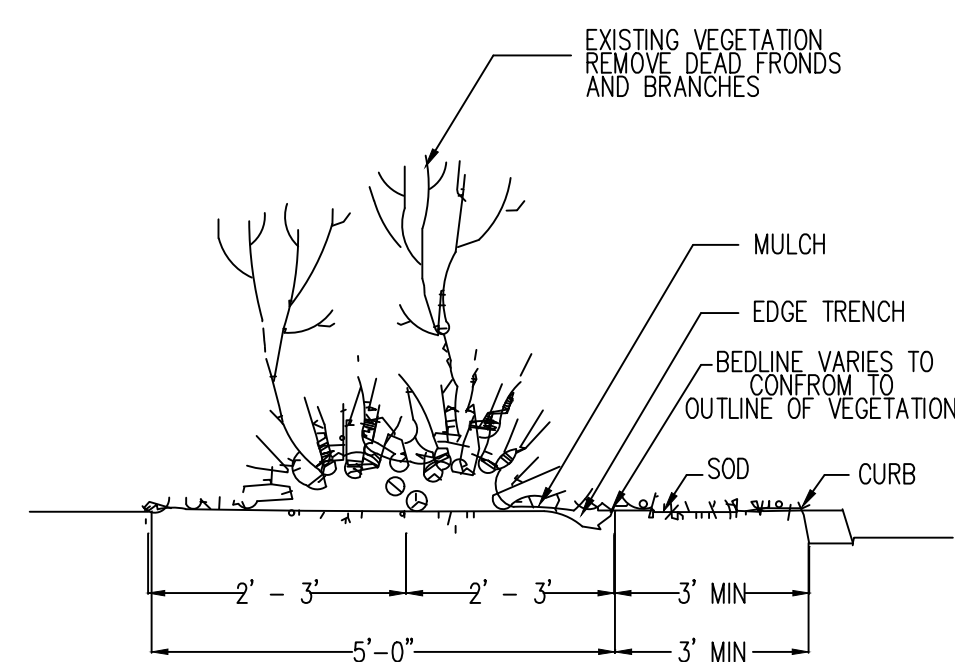
ROOT BARRIER DETAIL

NO SCALE



PALM BRACING DETAIL

NO SCALE



SOD DETAIL

NO SCALE

SECTION 02900 LANDSCAPE
PART ONE - GENERAL

1.0 SUMMARY

- A. All portions of Division 1 - General Requirements are included with this section.
- B. Furnish all transportation, materials, labor, equipment, taxes, and service to complete all work as shown on the drawings and as specified herein.
- C. Avoid conditions which will create hazards. Post signs or barriers as required.
- D. Provide adequate means for protection from damage through excessive erosion, flooding, heavy rains or winds, etc. Repair or replace such damage.
- E. Plant materials are for the convenience of the Contractor and are not guaranteed. Verify drawings. Planting is required as indicated on drawings.
- F. Comply with all federal, state and local regulations.
- G. Contractor shall notify L.A. of any adverse soil conditions encountered i.e. clay, loose fill, high water table or poor drainage and any condition adverse to planting.
- H. Quantity deviations, questions on plans; please notify. Plant list is an estimate.

1.1 RELATED SECTIONS; SECTION 02810 IRRIGATION

1.2 REFERENCES

- A. Standard Plant Names, 1942 edition prepared by the American Joint Committee on Horticultural Nomenclature.
- B. Grades and Standards for Nursery Plants, Florida Department of Agriculture, Part II 1998
- C. American Standard for Nursery Stock, prepared by the American Association of Nurserymen, Inc. (ANSI Z60.1-1986)
- D. Hortus Third, Liberty Hyde Bailey Hortorium 1976.
- E. Florida Irrigation Society Standards and Specifications for turf and Landscape Systems (Revision 61098).

1.3 SUBMITTALS

Provide to Owner's representative during:

- A. Preconstruction
 - 1. Unit Prices for all materials, including estimate (or quotation) or area to be sodded or seeded.
 - 2. Proposed substitutions of materials or sizes. Obtain approval by both landscape architect and Owner's representative.
- B. Construction
 - 1. Plant inspection certificates and shipping invoices as requested.
 - 2. All fertilizer labels and notarized letter of conformance with these specifications.
- C. Contract Close-out
 - 1. Two sets as-built record documents (red-line prints).
- 1.4 QUALITY ASSURANCE
 - A. All work shall be performed under the constant supervision of a foreman, having at least one year experience or education in the nursery trades.
 - B. Contractor is expected to participate in a pre-construction conference with Owner and landscape architect to coordinate schedule, clarify questions, and discuss acceptable performance for payment.
 - C. Contractor is expected to participate in a contract close-out conference with Owner and landscape architect to verify completion of the work, and to establish a "Date of Substantial Completion".

1.5 MAINTENANCE

- A. Contractor shall be fully responsible for all maintenance, damages, and replacements until Date of Substantial Completion of that specific phase of work. Document damage to the work caused by other trades. Immediately bring to Owner's attention, and quickly repair (at Owner's expense) as directed.
- B. Maintenance consists of pruning, cultivation, edgingbeds and walks, weeding, mulching, adjusting guys, resetting plants to proper grade or upright position, hand watering as required, restoration of planting saucer, and furnishing and applying such sprays as necessary to keep the planting free from insects or disease.
- C. The Contractor shall keep the premises free from accumulations of waste materials or rubbish caused by his employees or work, at all times.
- 1.6 REPLACEMENTS
 - A. During the guarantee period any plant required under this contract that is dead or not in satisfactory growth condition (as determined by the landscape architect) shall be promptly replaced by the Contractor. Replacement shall be as specified for the original planting and at no cost to the Owner.
 - B. Replacement period commences at Date of Substantial Completion and continues as follows:
 - a. Trees - one (1) year
 - b. Shrubs - ninety (90) days
 - c. Sod - ninety (90) days
 - d. Other Products - one (1) year
 Time limit may be extended by mutual agreement for material in questionable health at end of guarantee period.
 - C. Plant damage by theft, vandalism, gross neglect, undue weather conditions, acts of God, or unseasonable planting are exempt from the guarantee provision.

3.3 INSTALLATION

- A. Topsoil
 - 1. Spread topsoil over all areas to receive ground cover to a minimum compacted depth of 4 inches.
- B. Rough Grading
 - 1. Mold land surfaces to within 1 inch of final grade. Construct swales and berms. Fill low areas. Ensure proper drainage of all areas. Spread 6 inch lifts at 85% compaction (Proctor).
 - 2. Slope grade away from buildings at a minimum slope of 1/2 inch per foot for a distance of 10 feet minimum.
- C. Final Grading
 - 1. Remove all non-conforming matter from site, such as rocks, sods, sticks, building rubble, wire, or cans.
 - 2. Dig out weeds by the roots.
 - 3. Till in soil amendments such as lime, iron, or gypsums if indicated by local conditions, but only after approval by landscape architect. Ensure uniform application.

PART TWO - PRODUCTS

2.0 MATERIALS

- A. Topsoils shall be fertile, natural, and typical of the locality. It shall be without subsoil or slag and shall be free of stones, lumps, plants or their roots, sticks, or other extraneous matter that is not conducive to production of plant life, or would interfere with future maintenance.
- B. Sod may have no visible broadleaf weeds when viewed from a standing position and the turf shall be visibly consistent with no obvious patches of foreign grasses. It may have no visible signs of disease or insect stress. In no case may the total amount of foreign grasses or weeds exceed 2% of the total canopy. The sod shall be (as noted on plan), neatly mowed and be mature enough that when grasped at one end it can be picked up and handled without damage.

- C. Seed shall meet the tolerance for germination and purity in accordance with the U.S. Department of Agriculture Rules and Regulations under the latest edition of the "Federal Seed Act" for certified seed. Seed shall be mixed by the dealers and shall be delivered to the site in sealed containers which shall bear the dealer's guaranteed analysis. Seed mixture and seeding rate shall be as specified on the drawings.
- D. Fertilizer
 - 1. "Agri-form" or "Woodace" 21 gram tablet of 20-10-5 formulation.
 - 2. Granular fertilizer shall be a balanced formula, uniform in composition, free flowing and delivered to site in unopened bags.

- E. Peat
 - 1. Incorporate black Florida peat into planting mix when specified on plant list at the following rates:
 - 1. 1 gallon plants - 1/8 cubic feet
 - 2. 3 gallon plants - 1 cubic feet
 - 3. Trees - 1/2 cubic foot per foot of height
- F. Herbicide
 - 1. "Seflan" or "Preen" pre-emergent.
- G. Additional Soil Amendments
 - 1. Apply as needed to bring soil into optimum growth range for specified plants.
 - 2. If soil is below 5.0 ph incorporate enough horticultural lime to bring within 5.6 to 6.5 ph range.

- H. Plants
 - 1. Measured standing in natural form of the size indicated on "plant list" and grade "Florida No 1" unless otherwise indicated.
 - 2. Non-classified plants to meet AAN standards. Tree calipers shall be measured 6 inches above soil level.
 - 3. All plants shall be sound, healthy, free from insect pests and eggs, and have normal, healthy root systems.
 - 4. Form shall be symmetrical or typical for species and variety.
 - 5. Any plant may be rejected by landscape architect if not of satisfactory size, health, quality, or character.
 - 6. Trees having rootballs wrapped with synthetic burlap will be rejected.
- I. Mulch shall be Pine bark, no cypress bark, & free from sticks, stones, leaves or other debris.

- 2.1 EQUIPMENT
 - 1. Use magnesium grading rakes of 30 inch minimum width to remove irregularities in final grade prior to sodding or seeding and to ensure a flat subgrade.

2.2 MIXES

- A. Planting Mixture
 - 1. Use the best natural soil existing on site, combined with fertilizer.

PART THREE - EXECUTION

3.0 EXAMINATION

- A. Examine surfaces to which work will be applied and immediately notify landscape architect in writing if site is not in proper condition for Contractor to perform his duties under the terms of this contract.
- B. Review engineering drawings for additional information.
- C. Coordinate work with Owner and other related trades.
- D. Relocate existing plant material as directed by landscape architect, and according to drawings.
- 3.1 PROTECTION
 - 1. Locate, identify and mark all known utilities in area of the work. Take reasonable care to avoid damages or hazards.
- 3.2 PREPARATION
 - 1. Remove from site existing sods, seeds, inferior plantings and preconstruction debris as necessary to incorporate work to the site. Obtain verification regarding removal of questionable material. Clean up of debris from new construction (by other trades) is not included in this contract.

D. Planting Pits

Excavate to dimensions shown on plan.

- E. Plant Installation
 - 1. Do not crack or break soil away from root ball.
 - 2. Carefully set plant plumb, best side facing "out", at the same soil level, to 1" higher, as previously grown.
 - 3. Remove all twine, burlap, or rope from top third of root ball. Retain cloth under ball. Wash in backfill with slow hose.
 - 4. Form shallow basin at each plant. Adjust grade to 1 1/2" below adjacent pavement. All plants shall be 30" minimum from walls, walks and fences.
 - 5. Space ground cover in triangle pattern with outside row parallel to bedline, 1/2 plant spacing distance from edge.
- F. Sod Installation
 - 1. Sod all areas indicated on plan and areas disturbed by work of other trades.
 - 2. Lay panels tightly together. Top dress cracks with sand. Water thoroughly.
- G. Stake and Guy
 - 1. Stake and guy .as per plan.
- H. Fertilize
 - 1. Fertilize evenly at following rates:

1. Tablet Fertilizer

- 1 gallon plant - 1 tablet
- 2 gallon plant - 1 to 2 tablets
- 5 gallon plant - 2 to 3 tablets
- Trees - 1 tablet per foot of height

2. Granular Fertilizer

- Work into the top 2" of soil at the rate of 20 pounds per 1000 square feet for lawn areas.

- 1. Prune
 - 1. Prune as little as necessary to remove damaged twigs. In any case, terminal leader shall not be topped either before or after installation.

- J. Herbicide
 - 1. Apply pre-emergent herbicide to all beds according to manufacturer's recommendations.

- K. Mulch
 - 1. Spread to a uniform depth of 2" min. Fluff and pat in place.

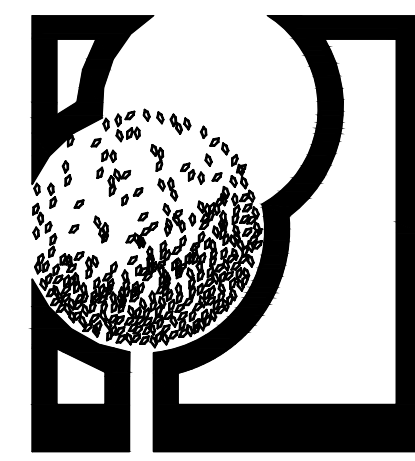
3.4 FIELD QUALITY CONTROL

- A. Landscape architect or Owner may conduct periodic inspections to determine that the terms of this contract are fulfilled.
- B. Contractor will be expected to participate with Owner in final inspection to review project for conformance to the contract. Items to be reviewed include type, quantities, sizes, locations, dimensions, and quality of materials and workmanship. Final payment for work will depend upon satisfactory condition of project on Date of Substantial Completion.

END OF SECTION

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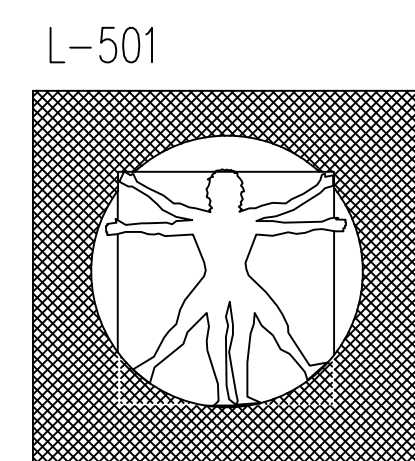


DALE & COMPANY
651 North Mills Avenue
Orlando, Florida 32803
Pl: (407) 894-1317
Fax: (407) 894-8986

LANDSCAPE DETAILS & SPECIFICATIONS FOR
Mecatos Cafe
EDGEWOOD FLORIDA

DESIGNED BY: RCD
DRAWN BY: KHD
CHECKED BY: RCD
DATE: 08-13-21

- REVISIONS
- 1.
 - 2.
 - 3.
 - 4.
 - 5.
 - 6.



HUNTER IRRIGATION LEGEND

KEY	MODEL DESCRIPTION	NOZZLE	RADIUS	GPM	ARC	PSI	COMMENTS/GENERAL
H	HUNTER PROS-PRS30-PRO-SPRAY-FIXED-360	S	0	0.47	360°	30	
I	HUNTER PROS-PRS30-PRO-SPRAY-FIXED-180	S	0	0.23	180°	30	
J	HUNTER PROS-PRS30-PRO-SPRAY-FIXED-90	S	0	0.12	90°	30	
K	HUNTER PROS-PRS40-MP-1000-360	OLIVE	8'-15" ADJ.	0.84	360°	40	
L	HUNTER PROS-PRS40-MP-1000-270	LT. BLUE	8'-15" ADJ.	0.63	270°	40	
M	HUNTER PROS-PRS40-MP-1000-210	MAROON	8'-15" ADJ.	0.49	210°	40	
N	HUNTER PROS-PRS40-MP-1000-180	MAROON	8'-15" ADJ.	0.42	180°	40	
O	HUNTER PROS-PRS40-MP-1000-90	MAROON	8'-15" ADJ.	0.21	90°	40	
P	HUNTER PROS-PRS40-MP-2000-360	RED	13'-21" ADJ.	1.48	360°	40	
Q	HUNTER PROS-PRS40-MP-2000-270	GREEN	13'-21" ADJ.	1.10	270°	40	
R	HUNTER PROS-PRS40-MP-2000-210	BLACK	13'-21" ADJ.	0.86	210°	40	
S	HUNTER PROS-PRS40-MP-2000-180	BLACK	13'-21" ADJ.	0.77	180°	40	
T	HUNTER PROS-PRS40-MP-2000-90	BLACK	13'-21" ADJ.	0.43	90°	40	
U	HUNTER PROS-PRS40-MP-3000-360	GRAY	22'-33" ADJ.	3.64	360°	40	
V	HUNTER PROS-PRS40-MP-3000-270	YELLOW	22'-33" ADJ.	2.73	270°	40	
W	HUNTER PROS-PRS40-MP-3000-210	BLACK	22'-33" ADJ.	2.12	210°	40	
X	HUNTER PROS-PRS40-MP-3000-180	BLUE	22'-33" ADJ.	1.82	180°	40	
Y	HUNTER PROS-PRS40-MP-3000-90	BLUE	22'-33" ADJ.	0.86	90°	40	
Z	HUNTER PROS-PRS40-MP-CORNER	TURQUOISE	8'-15" ADJ.	0.44	45°	40	
AA	HUNTER PROS-PRS40-MP-RCS-515	COPPER	5' x 15" ADJ.	0.22	RECT.	40	
AB	HUNTER PROS-PRS40-MP-RCS-515	BROWN	5' x 30" ADJ.	0.44	RECT.	40	
AC	120-06-8.0	8.0	44"	8.0	360°	45	
AD	120-06-4.0	4.0	40"	4.0	180°	45	
AE	120-06-2.0	2.0	34"	2.0	90°	45	
AF	HUNTER PG-06	4.0	34"	4.0	360°	40	
AG	HUNTER PG-06	2.0	25"	2.0	180°	40	
AH	HUNTER PG-06	1.0	19"	1.0	90°	40	
AI	HUNTER PCB-R (MODELS 25, 50, & 10)	BEST. COV.	N/A	0.25-1.0	360°	VAR	

NOTES:
 *ALL RISERS SHALL BE 18" FROM ARCHITECTURAL WALL FACE.
 *ALL LAWN AREAS SHALL BE 6" POP-UPS.
 *ADJUST HEADS TO AVOID OVERSPRAY.
 *OR RE-USE WATER USE PURPLE HEADS, PIPES, & VALVES ONLY.
 *FOR LARGE CANOPY TREES USE 1 - PCB-R-50 BUBBLER @ 0.5 GPM.
 *FOR LARGE PALM TREES USE 2 PCB-R-10 BUBBLERS @ 1.0 GPM EACH.
 *FOR UNDERSTORY TREES USE 1 PCB-R-5 BUBBLER @ 0.25 GPM.
 *VELOCITY SHALL NOT EXCEED 5' PER SEC. IN ALL PIPELINES.

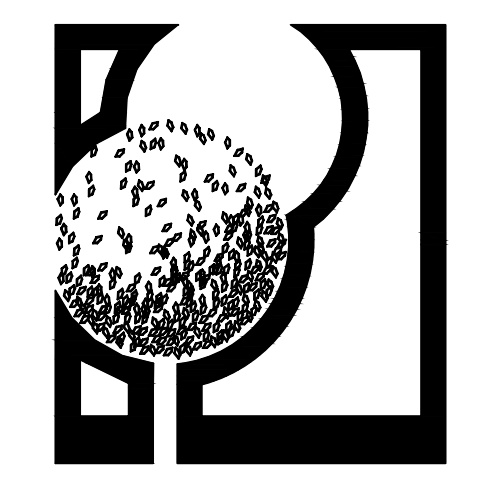
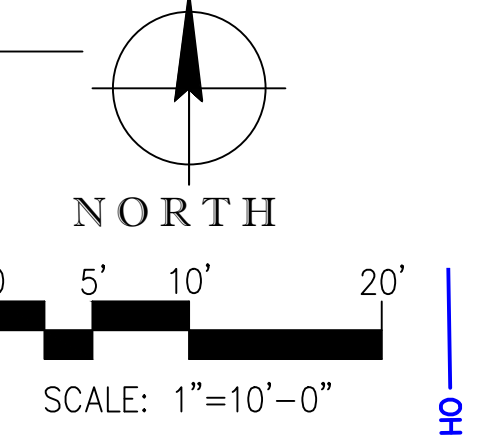
SLEEVE SIZE SCHEDULE

PIPE SIZES	SLEEVE SIZES
3/4"	1-1/4"
1"	2"
1-1/4"	2-1/2"
1-1/2"	2-1/2"
2"	3"
2-1/2"	4"
3", 4"	6"

IRRIGATION WATER DEMAND

*GALLONS PER CYCLE
*GALLONS PER WEEK
GALLONS PER YEAR, 52 WEEKS
*GALLONS PER YEAR, 46 WEEKS

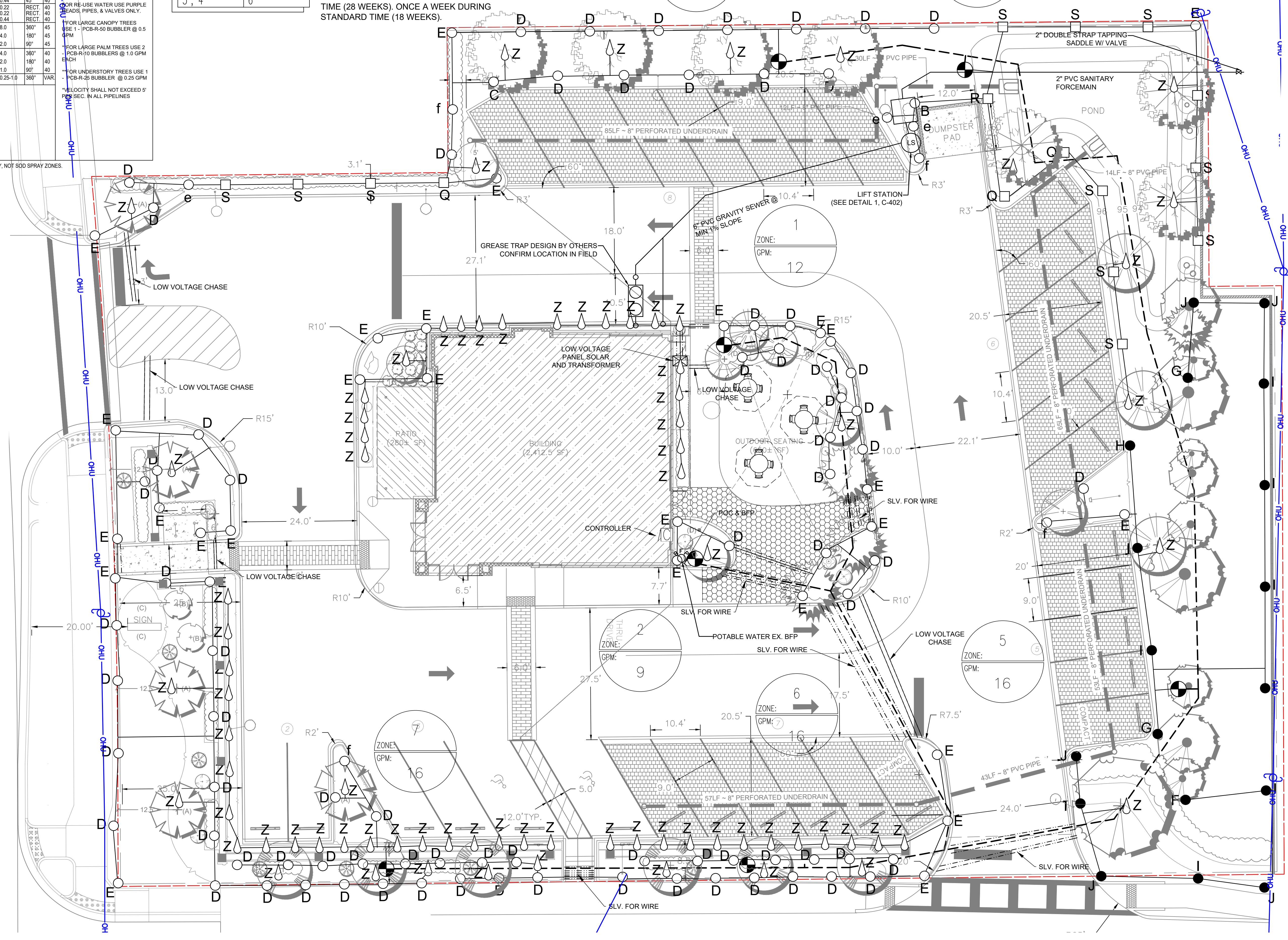
* TWICE A WEEK DURING DAYLIGHT SAVINGS TIME (34 WEEKS), ONCE A WEEK DURING STANDARD TIME (18 WEEKS).
 ** 6 WEEKS OF RAINY SEASON TWICE A WEEK DURING DAYLIGHT SAVINGS TIME (28 WEEKS), ONCE A WEEK DURING STANDARD TIME (18 WEEKS).



DALE & COMPANY
 Landscape Architecture Analysis Planning
 Ph: (407) 894-1317
 Fax: (407) 894-8986
 651 North Mills Avenue
 Orlando, Florida 32803

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 1-800-432-4770

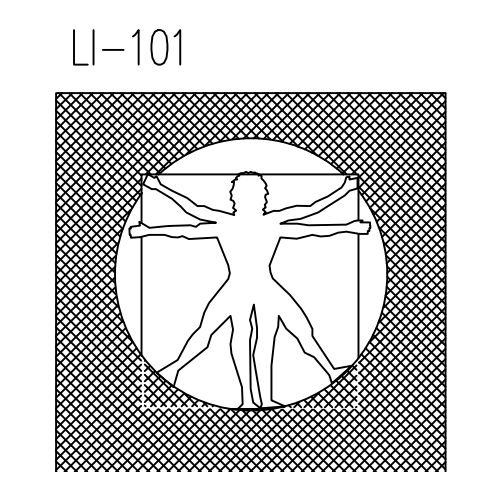
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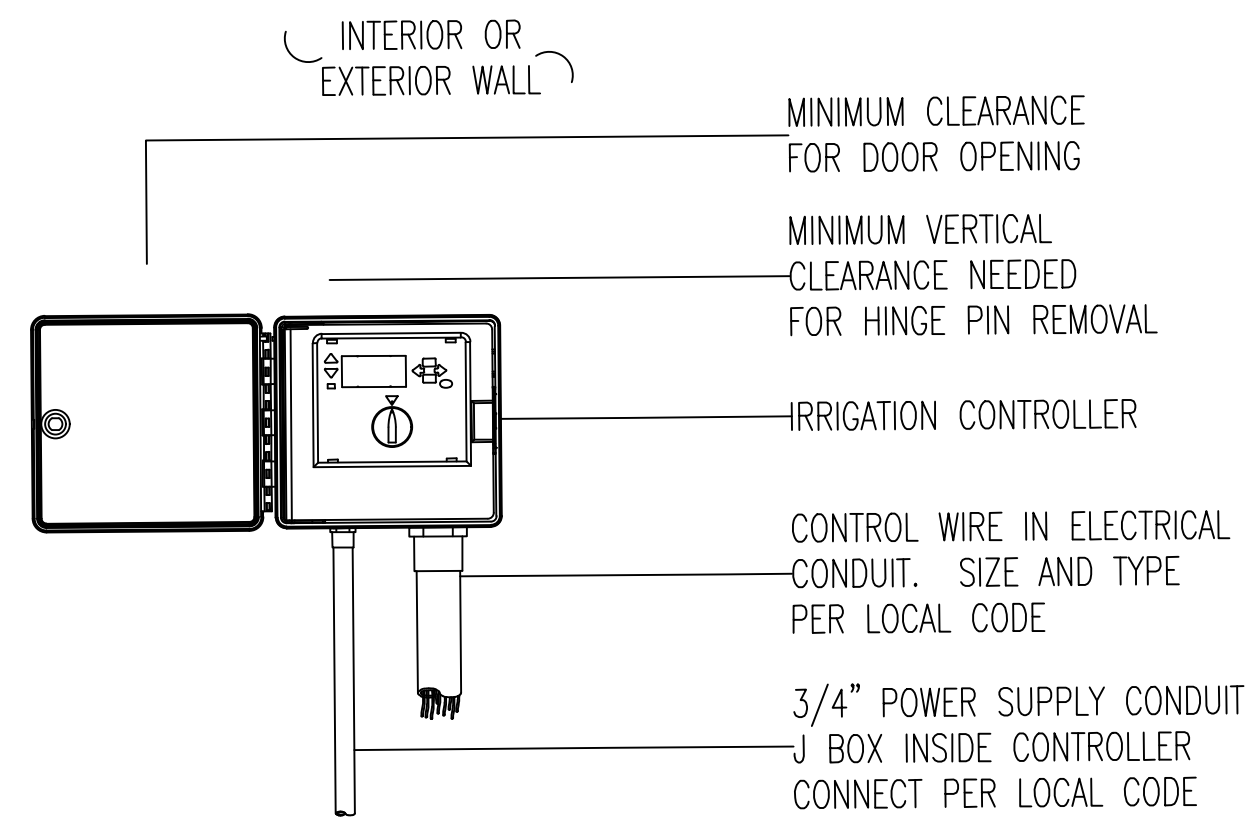


IRRIGATION SITE PLAN FOR
Mecatos Cafe
 ORLANDO FLORIDA

DESIGNED BY: KHD
 DRAWN BY: KHD
 CHECKED BY: RCD
 DATE: 09-09-21

- REVISIONS**
1. 11-05-21
 2. 12-17-21
 3. 01-27-22
 4. 02-23-22
 - 5.
 - 6.

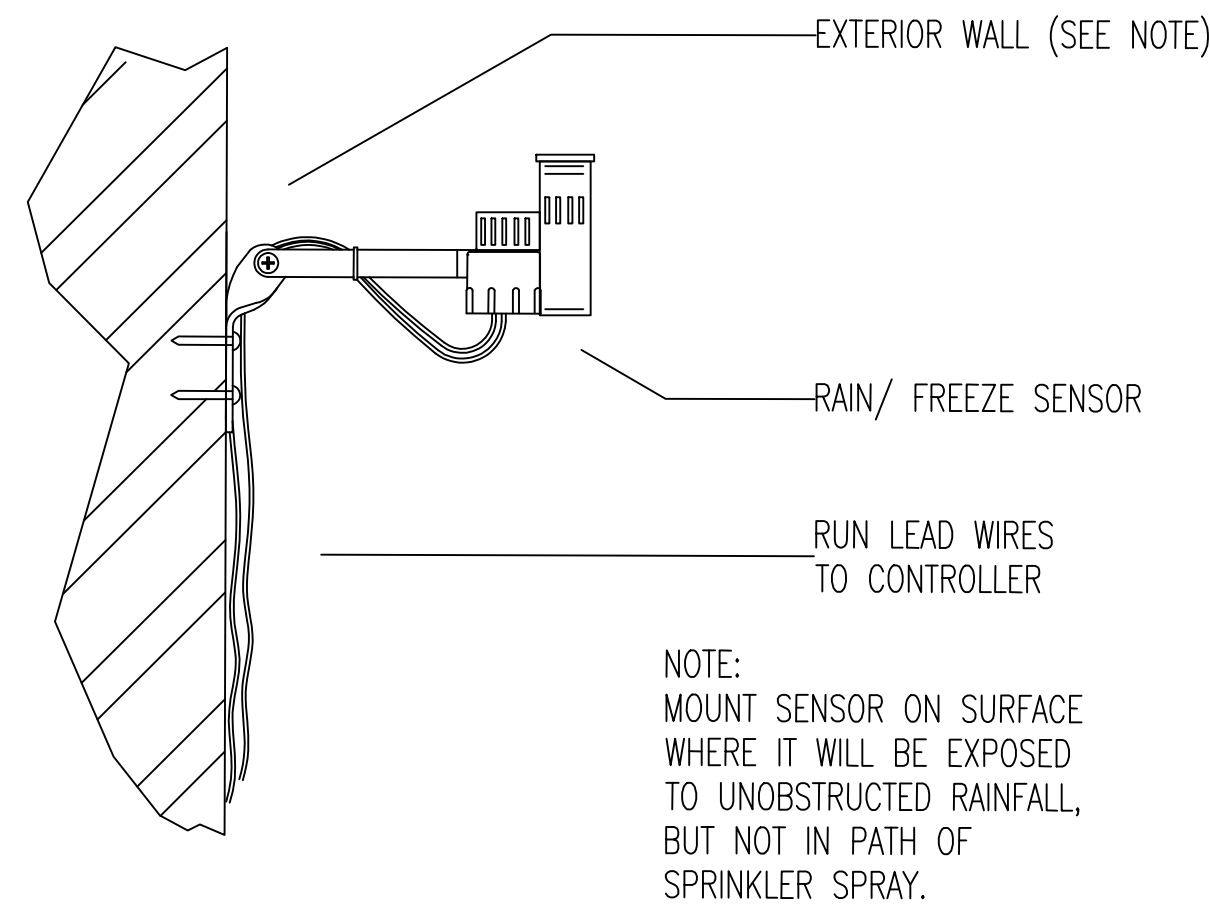




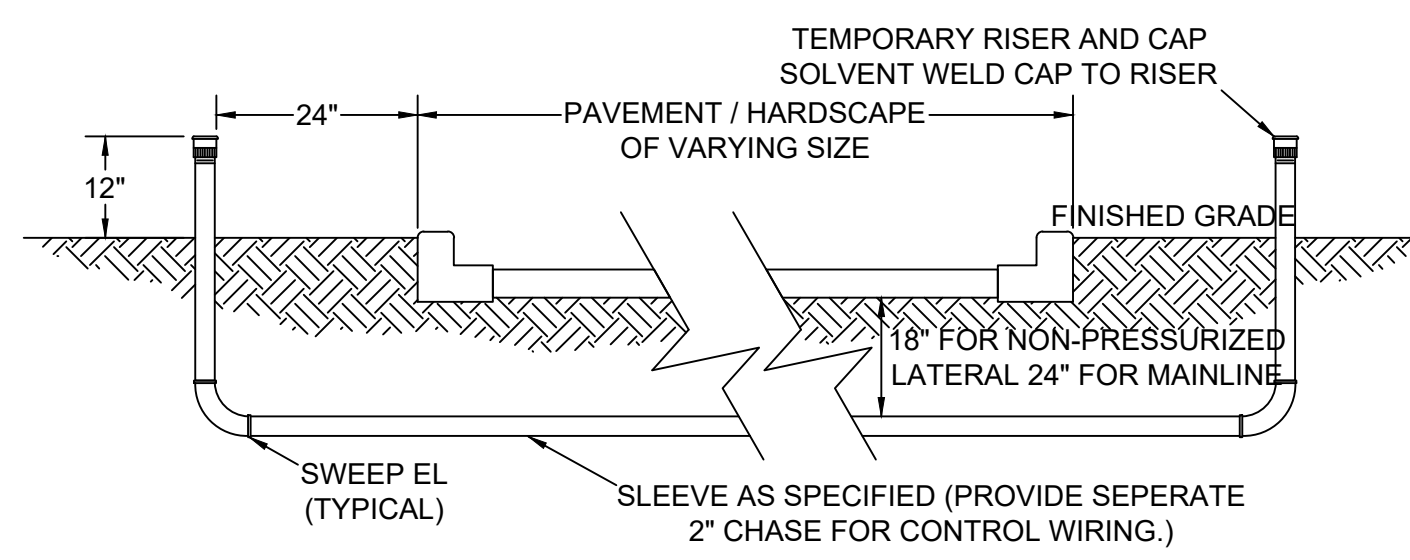
MOUNT CONTROLLER WITH LCD SCREEN AT EYE LEVEL. CONTROLLER SHALL BE HARD-WIRED TO GROUND 110 or 220 VAC SOURCE.

IRRIGATION CONTROLLER

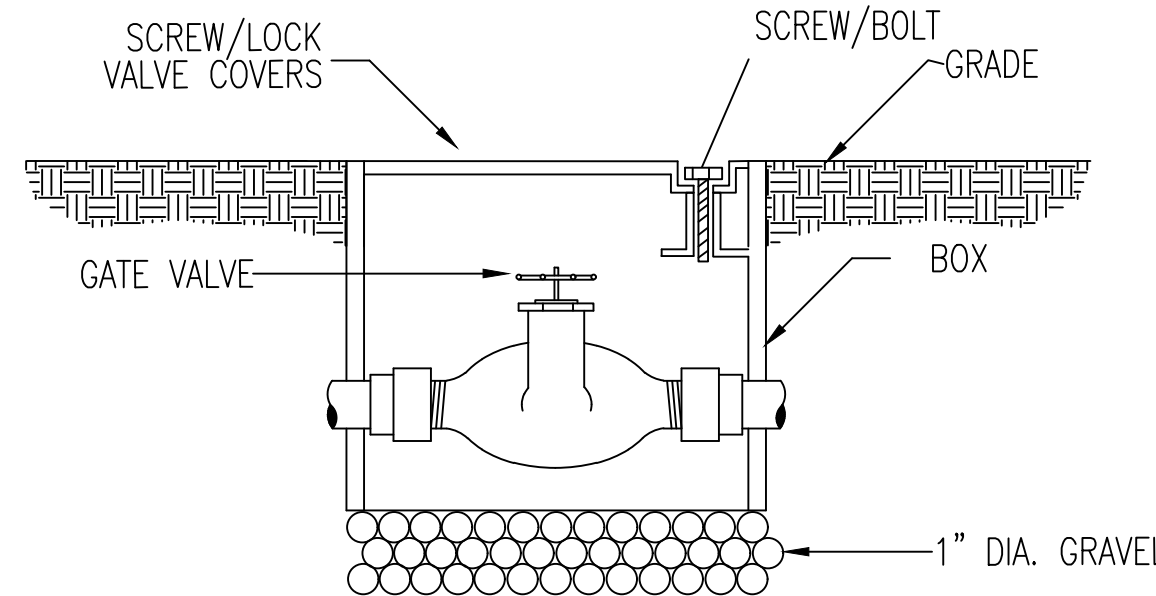
*IF THE PLAN SPECIFIES THE USE OF A TWO WIRE CONTROLLER, OR IF ONE WILL BE USED, PLEASE SEE THE ADDITIONAL DETAILS AND SPECIFICATIONS FOR IT LOCATED ON A SEPARATE SHEET. IF THE SHEET WAS NOT INCLUDED WITH THIS SET OF PLANS PLEASE CONTACT DALE AND COMPANY FOR A COPY.



RAIN/ FREEZE SENSOR

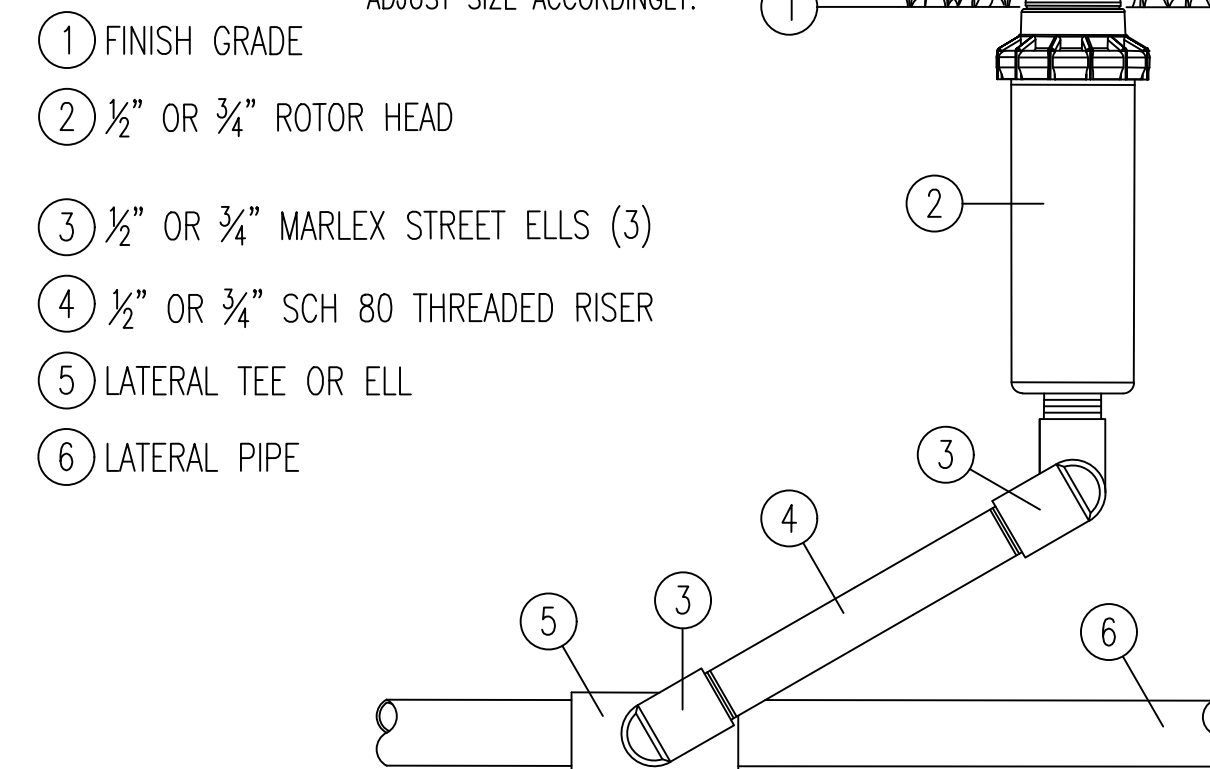


SLEEVE INSTALLATION

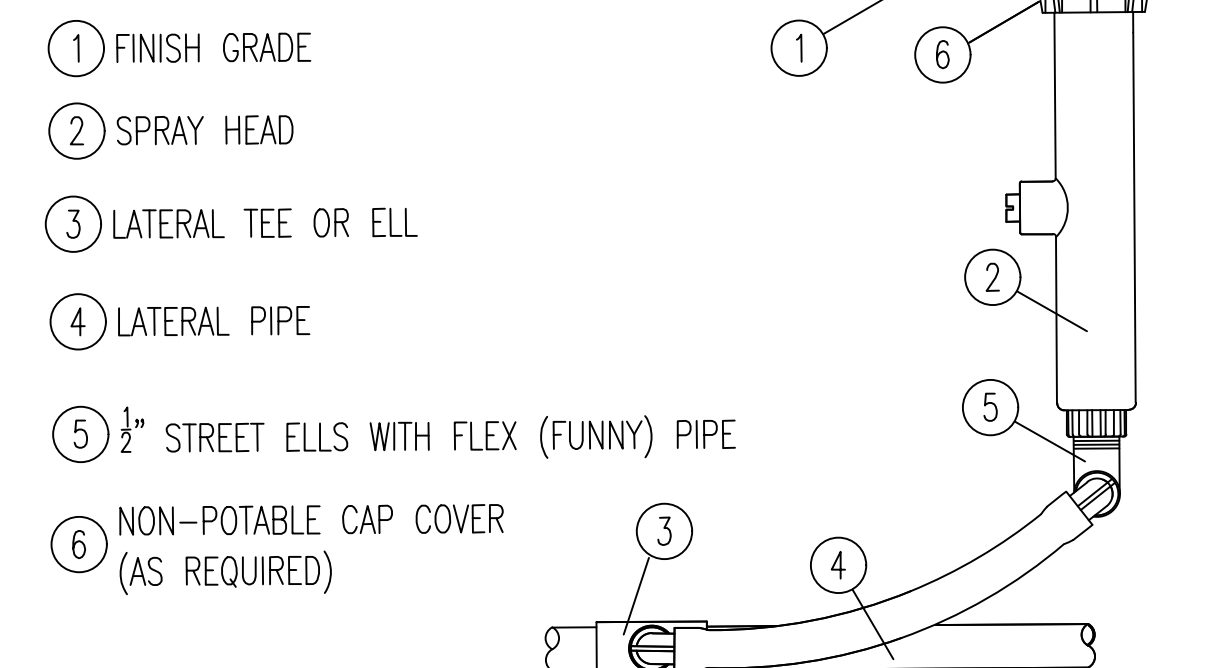


GATE VALVE

*WHEN USING LARGER GPM NOZZLES, BEWARE OF HIGH FRICTION LOSS IN SWING JOINTS. ADJUST SIZE ACCORDINGLY.



ROTOR HEAD



SPRAY HEAD

SECTION 02810 IRRIGATION SYSTEMS

PART ONE - GENERAL

- 1.0 SUMMARY
 A. All portions of Division 1 - General Requirements are included with this section.
 B. Furnish all transportation, materials, labor, equipment, and services to complete all work shown on the drawings and as specified.

- 1.1 RELATED SECTIONS: section 02900 landscape planting

1.2 TOLERANCE

- A. Install sprinkler heads where indicated by symbol.
 B. Drawings are schematic. Adjust pipe and locations to conform to site conditions and to avoid obstructions. Conceal components behind walls of shrubbery where possible. Verify questionable locations before installation.

1.3 SUBMITTAL

- A. Submit two bound folders containing:
 1. Written operating instructions for all components.
 2. Complete parts list and manufacturer's data.
 3. Copy of work completion report.
 4. Written maintenance instructions.
 5. Provide 2 sets as-built record drawings with the following items dimensioned to the nearest foot:
 a. Sprinkler main lines
 b. Water source
 c. Control valves
 d. Gate valve
 e. Electric control wire path (Red-line prints).
 B. Products furnished but not installed:
 1. 2 extra heads of each type and size
 2. 2 extra nozzles of each type and size
 3. 2 extra head wrenches for each type of head
 4. 1 extra valve box with lid

- 1.4 COORDINATE WORK WITH OWNER AND OTHER TRADES
 A. A Licensed electrician will install/provide power to the controller, pump, or fountain if utilized on project.

1.5 QUALITY ASSURANCE

- A. Contractor is expected to participate in preconstruction meeting with Owner and landscape architect to coordinate schedule, clarify questions, and discuss acceptable performance criteria for payment.
 B. Contractor is expected to participate in contract closeout meeting with Owner and landscape architect to verify proper completion of the work, establish "Date of Substantial Completion", and advise Owner as to system operation.

1.6 WARRANTIES

- A. Contractor will be fully responsible for system operation until Date of Substantial Completion.
 B. Contractor is fully responsible for all parts and workmanship for one year after Date of Substantial Completion of each specific phase or portion of the project.
 C. See to the fulfillment of all manufacturer's warranties.

PART TWO - PRODUCTS

- 2.0 MATERIALS
 Backfill shall be free from stone, trash, or other debris.

2.1 MANUFACTURED UNITS

- A. Automatic electro-mechanical controller fully installed and operating.
 B. Electric valve installed in valve box.
 C. Valve box with lid manufactured by "Amtek" or "Brooks".
 D. Connection for control wires manufactured by "Pentite" or "3M" installed as per manufacturer's directions, and above grade in valve boxes.
 E. Gate valves shall be brass and installed in valve box.
 F. Automatic drain valves shall be installed in 1 cubic foot gravel.

2.2 COMPONENTS

- A. Control wire shall be direct burial # 14, type UF. Tape to underside of main every 10 feet. Install spare ground wire + 5 extra wires.
 B. Main line shall be class 200 PVC (ANSI/ASTM D2241).
 C. Lateral lines shall be class 160 PVC minimum (ANSI/ASTM 02241).
 D. Sleeve at all road and drive crossings shall be class 200 PVC.
 E. All pipe, connectors and misc. fittings for the meter and check valve assembly will be galvanized.
 F. All electrical work will conform to year construction N.E.C.

PART THREE - EXECUTION

3.0 EXAMINATION

- Examine surfaces to which work will be applied and immediately notify landscape architect in writing if site is not in proper condition for Contractor to perform his duties under the terms of this contract.

3.1 PROTECTION

- A. Locate identify, and mark all known utilities in area of the work. Take reasonable care to avoid damages or hazards.
 B. Damage caused by Contractor's work will be repaired to Owner's satisfaction at Contractor's expense.
 C. Document any damage to work caused by other trades. Immediately bring costs to Owner's attention and quickly repair at Owner's expense, as directed.

3.2 PREPARATION

- A. Surface Preparation. Stake out each run of pipes, each head, and each valve.
 B. Test control wire for continuity before unreeling for installation.

3.3 INSTALLATION

- A. Keep pipe interior clean and dry at all times.
 B. Ensure a square cut at all joints and ream ends to a smooth finish, inside and out.
 C. Lay all runs greater than 100 feet from side to side on trench bottom in serpentine pattern.
 D. Support all pipe with clean, compact soil.
 E. Backfill and compact to original soil.
 F. Set heads plumb and flush with top of sod or mulch.
 G. For lateral lines flush all debris from lines. Open valve and screw on one head at a time, starting at valve and continuing to the end. Ensure that lines are watertight.

3.4 TOLERANCES

- A. Main line and drive crossings shall have 18 inches minimum cover.
 B. Lateral lines shall have 12 inches minimum cover.
 C. All heads shall be 4 inches minimum from walks, drives, or curbs.
 D. All pop-up heads and valve boxes shall be installed with top flush with grade.
 E. All heads shall be installed plumb.

3.5 FIELD TESTS

- Apply 100 psi hydrostatic pressure to main lines for 120 minutes. If a leak is found, repair and retest until satisfactory.

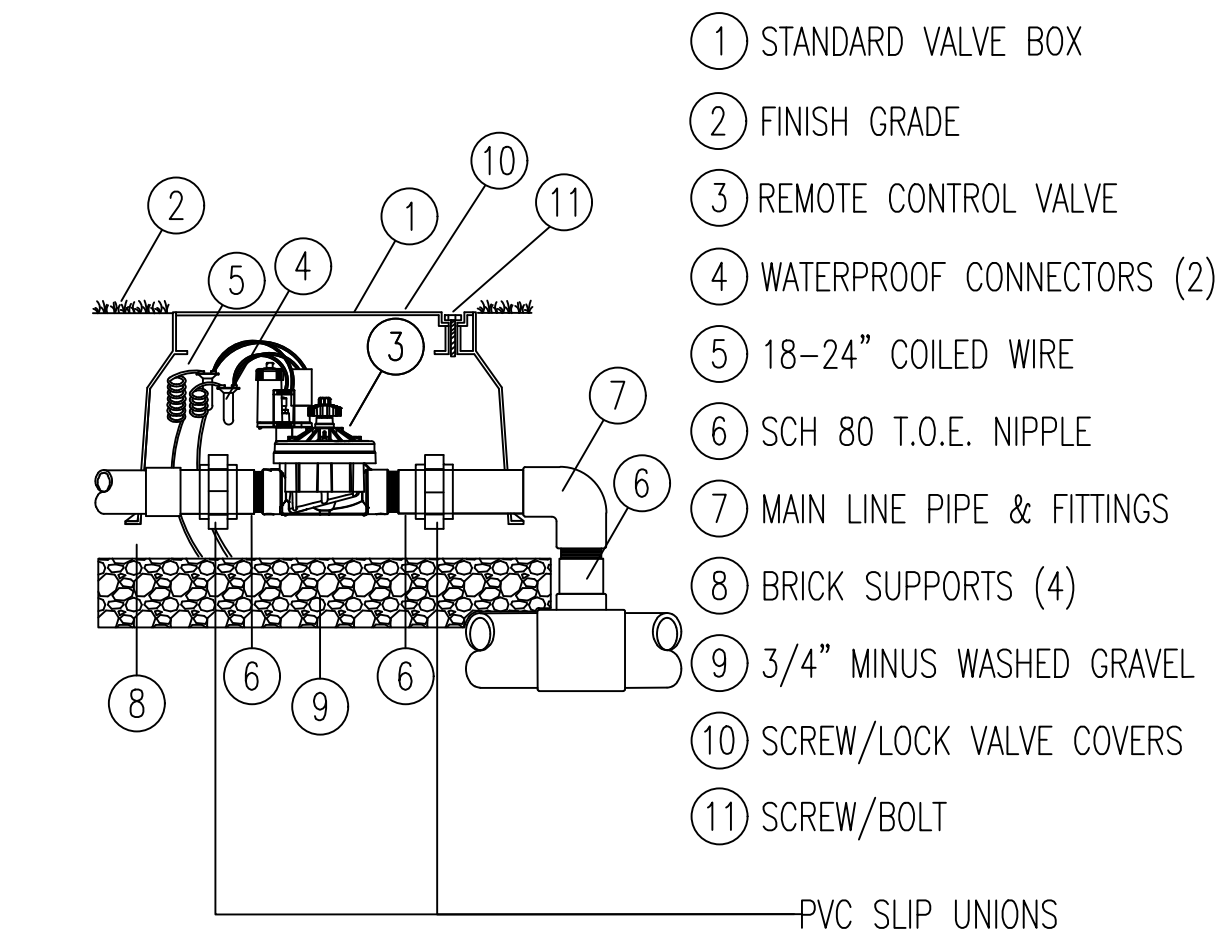
3.6 ADJUSTMENTS

- A. Adjust sprinkler patterns and radius. Ensure uniform and sufficient coverage for optimum plant growth.
 B. No heads shall be allowed to spray walls, fences, walks, or drives.
 C. Set times to operate as appropriate for season, soil type, drainage, and plant requirements.

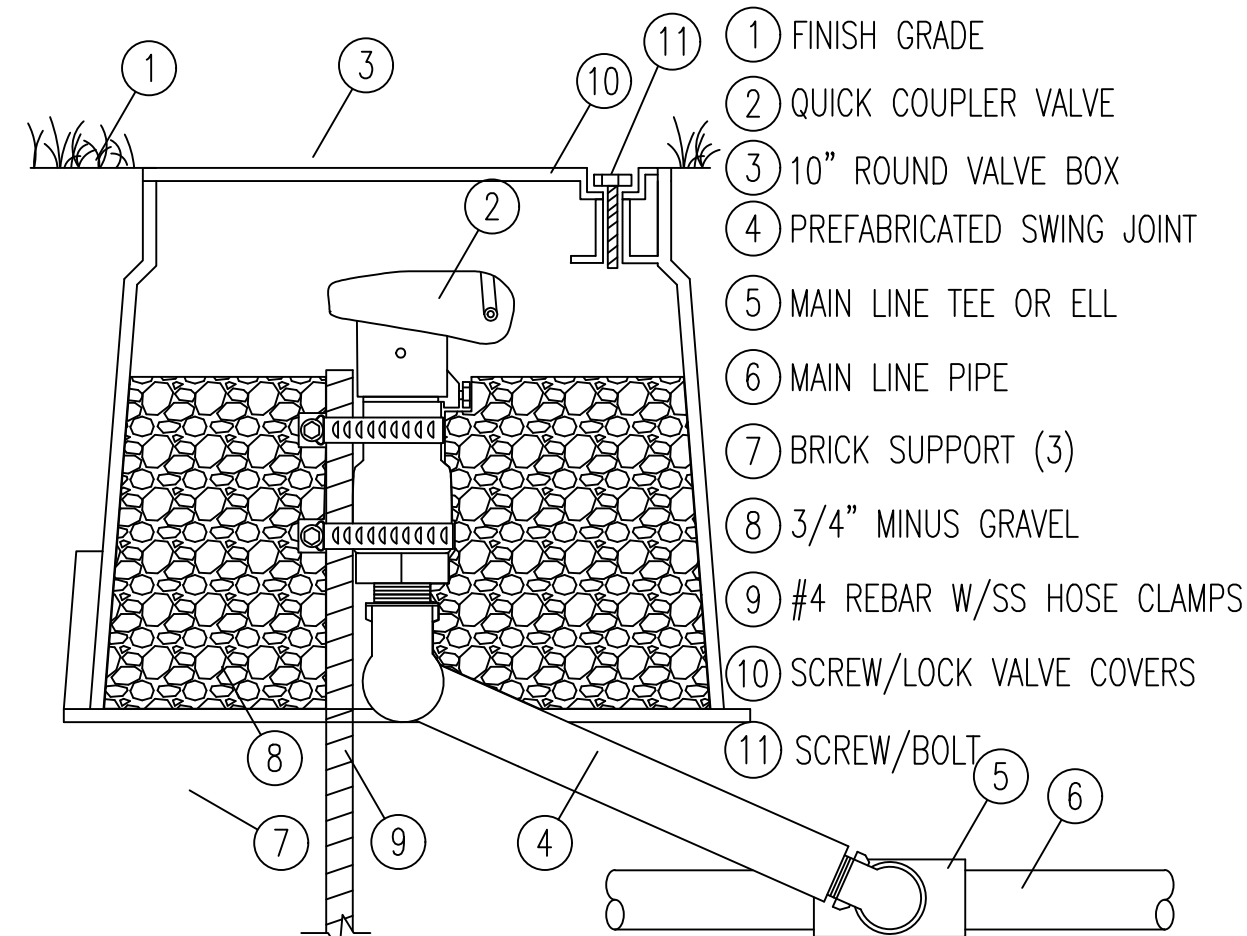
3.7 FIELD QUALITY CONTROL

- A. Landscape architect or Owner may conduct periodic inspections to determine that the terms of this contract are fulfilled.
 B. Contractor will be expected to participate with Owner in final inspection to review project for conformance to the contract. Items to be reviewed include, type, quantities, sizes, locations, dimensions, and quality of materials and workmanship.
 C. The Contractor shall keep the premises free from accumulations of waste materials or rubbish caused by his employees or work at all times.

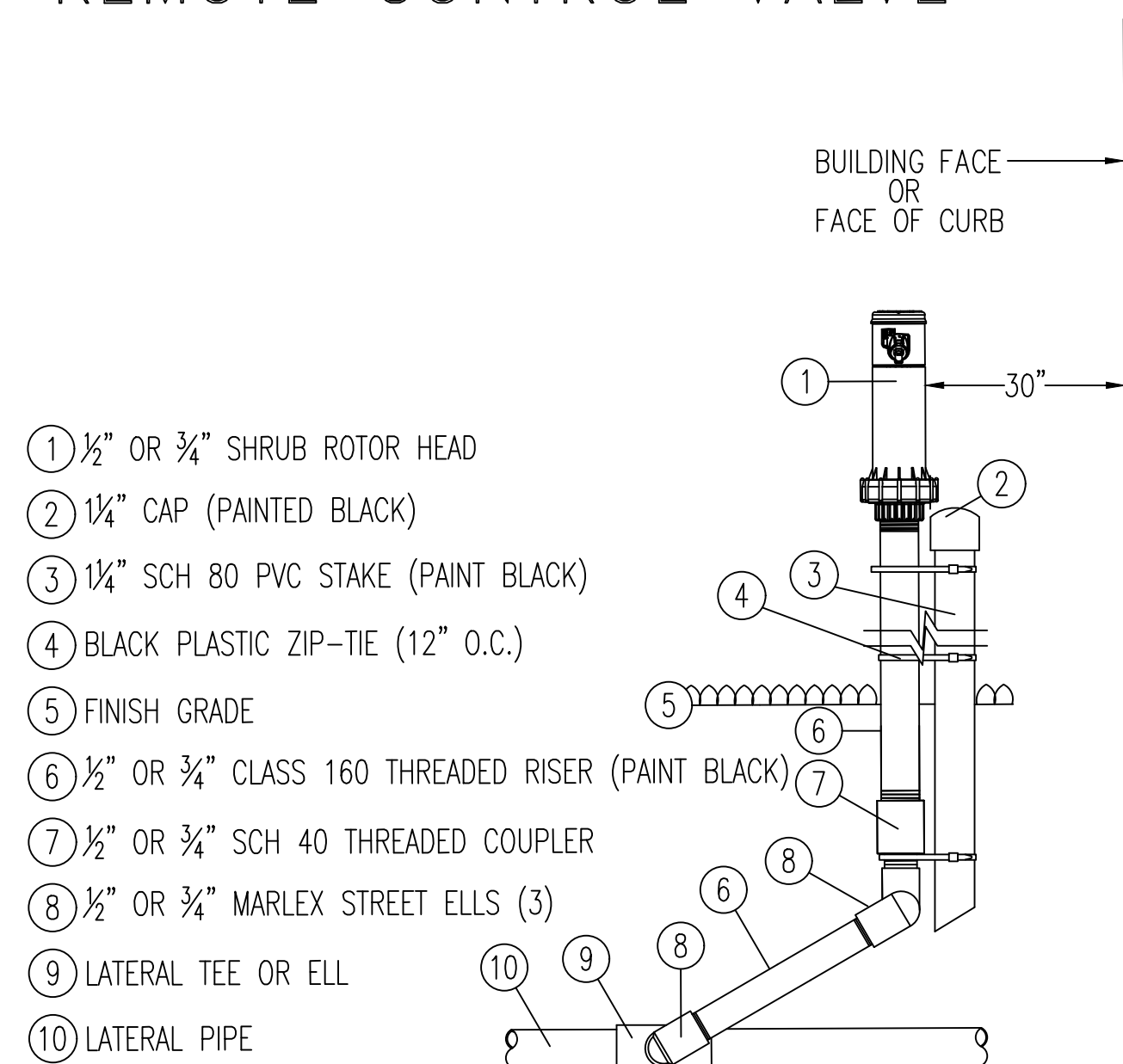
END OF SECTION



REMOTE CONTROL VALVE

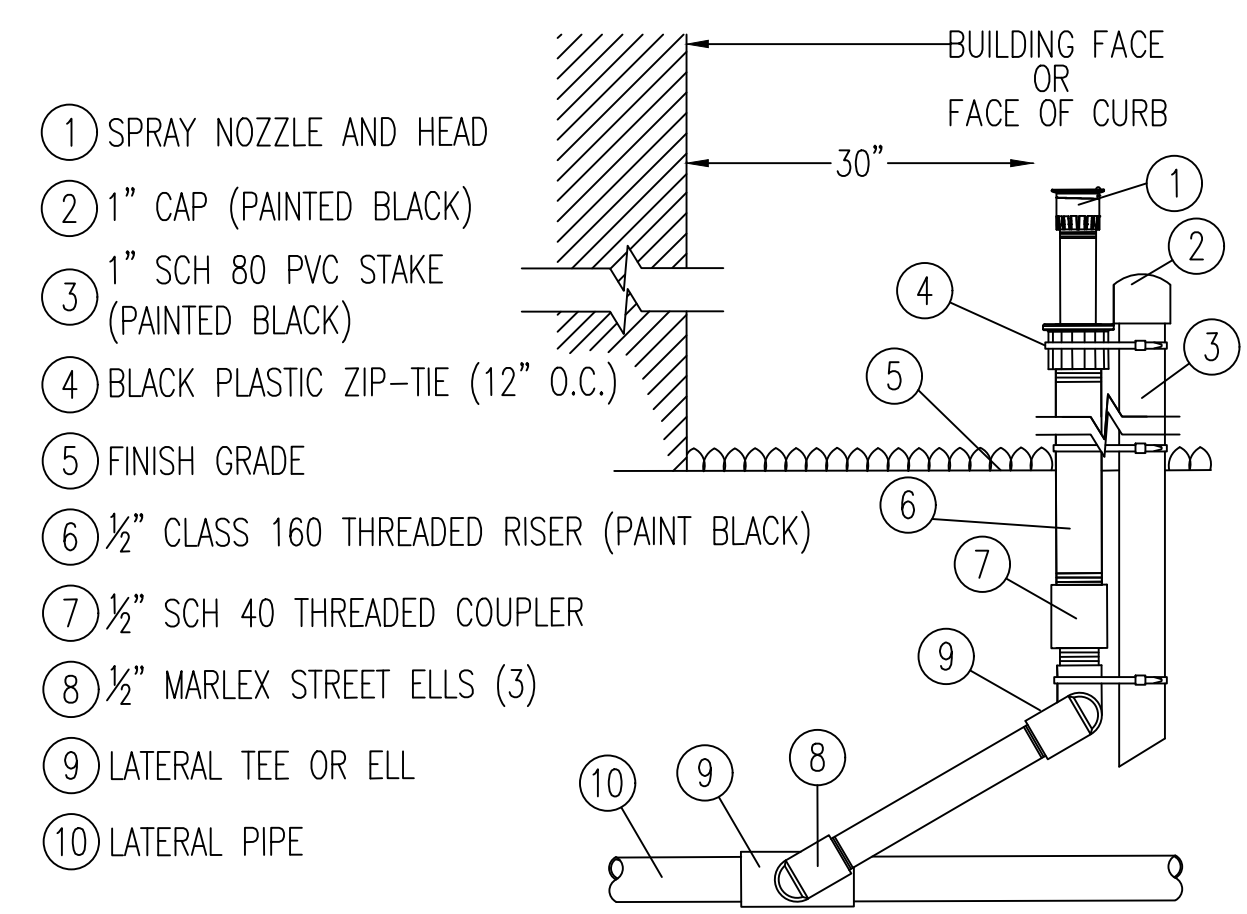


QUICK COUPLER VALVE



SHRUB ROTOR HEAD

*DO NOT USE RE-BAR, ANGLE IRON, OR ANYTHING OTHER THAN PVC AS SPECIFIED IN THIS DETAIL FOR STAKING.



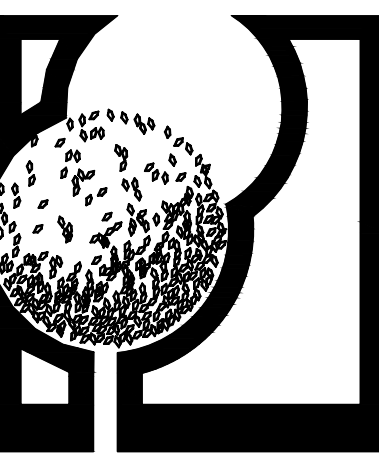
SHRUB SPRAY HEAD

*DO NOT USE RE-BAR, ANGLE IRON, OR ANYTHING OTHER THAN PVC AS SPECIFIED IN THIS DETAIL FOR STAKING.

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 Fax: (407) 894-8986

IRRIGATION DETAILS & SPECIFICATIONS FOR
Mecatons Cafe
 EDGEWOOD FLORIDA

DESIGNED BY: RCD
 DRAWN BY: KHD
 CHECKED BY: RCD
 DATE: 09-09-21

REVISIONS
 1.
 2.
 3.
 4.
 5.
 6.

